BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work :-Annual Maintenance and repairs of street lights in ward no 05 Package Y -05 of Yelahanka Zone..

Name of Contractror of nature of Agency:-M/S.Vinayaka Electrical

Job Code No:-005-22-000005

Ref no and Date of commencement of work:-:- EE/Ele/YZ//WO/000005/22-23 Date:01/04/2022

Aggrement No & date:-

Measurement Book No: 2607/23-24 **Page No:** 260638 to 260644 260641 to 260643

Bill NO :- 14th RA Bill **Bill Period : 01-01-2024 to 31-01-2024 (for 1 months)**

Sl. No.	Discription	Unit	Period in Months	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each	1	295.00	57.16	16862.20
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each	1	0.00	63.00	0.00
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each	1	4739.00	84.91	402388.49
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each	1	88.00	93.16	8198.08

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5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each	1	55.00	73.33	4033.15
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each	1	184.00	95.58	17586.72
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each	1	296.00	114.75	33966.00
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each	1	0.00	131.25	0.00
9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each	1	0.00	155.91	0.00
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole.	Nos	-	25.00	550.00	13750.00
	MCECHS Layout Park 25					
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole.	Nos	-	1050.00	770.00	808500.00

Address	Qty
Jakkuru Double Road (Eighty feet Road)	116
Jakkuru Road (Lake Road)	27
Chokkanahalli Main Road	16

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	Hegde Nagara Main Road		214					
	Kogilu Main Road		210					
	Reva College Road		96					
	Bagalure Main Road		241					
	Srirampura Lake Road		28					
	Sampigehalli main Road		25					
	Tirumenahalli Lake Road		27					
	Agrahara Main Road		26					
	Palanahalli Main Road		28					
	Total		**1054**					
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA. 3 POLE			Each	-	30.00	4530.00	135900.00
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm			Each	-	30.00	2054.00	61620.00
	POLE NO.	**ADDRESS**	**QTY.**					
	VE/05/VN/03/00/TC-230/16/S	VINAYAKA NAGAR BAGALUR MAIN ROAD	1					
	VE/05/VN/05/00/TC-776/02/LED	VINAYAKA NAGAR BAGALUR MAIN ROAD	1					
	VE/05/VN/06/00/TC-306/05/S	VINAYAKA NAGAR BAGALUR MAIN ROAD	1					
	VE/05/DN/02/00/TC-136/03/S	DWARKANAGAR BAGLUR MAIN ROAD	1					
	VE/05/ML/01/02/TC-405/08/S	MANJUNATHA LAYOUT BAGLUR MAIN ROAD	1					
	VE/05/SL/01/02/TC-405/08/S	SHIVA SHANKAR LAYOUT BAGALUR MAIN ROAD	1					
	VE/05/DT/02/00/TC-375/02/LED	DATHA TOWN SHIP BAGALUR MAIN ROAD	1					
	VE/05/VL/01/00/TC-417/04/S	VARAHAA LAYOUT BAGALUR MAIN ROAD	1					
	VE/05/KL/00/01/TC-482/03/LED	KEMPEGOWDA LAYOT PALANAHALLI MAIN ROAD	1					
	VE/05/GL/03/00/TC-26/08/S	GANGOTRI LAYOUT KATTIGENAHALLI	1					
	VE/05/VL/01/00/TC-393/08/LED	SWAMI VIVEKANANDA LAYOUTKOGILU MAIN ROAD	1					
	VE/05/VL/01/00/TC-98/02/S	VINAYAKA LAYOUT KOGILU MAIN ROAD	1					
	VE/05/VL/00/01/TC-523/07/S	VISWANTH NAGAR SRINVASPURA KOGILU MAIN	1					

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	VE/05/KL/BR/TC-11/12/LED	KOGILU LAYOUT BANDE MAIN ROAD	1					
	VE/05/KL/BR/TC-110/12/LED	KOGILU LAYOUT BANDE MAIN ROAD	1					
	VE/05/KL/BR/TC-109/06/2/LED	KOGILU LAYOUT BANDE MAIN ROAD	1					
	VE/05/ML/00/05/TC-438/06/S	MARKHANDAYA LAYOUT AGRAHARA LAYOUT	1					
	VE/05/AL/01/10/TC-105/20/S	AGRAHARA LAYOUT	1					
	VE/05/AL/05/00/TC-103/13/LED	AGRAHARA LAYOUT	1					
	VE/05/CL/01/00/TC-98/13/S	CHAMNDI LAYOUT KOGILU MAIN ROAD	1					
	VE/05/BL/04/TC-113/02/S	BALAJI LAYOUT KOGILU MAIN ROAD	1					
	VE/05/AMR/TC-318/47/S	AGRAHARA VILLAGE MAIN ROAD	1					
	VE/05/AV/08/00/TC-226/10/S	AGRAHARA VILLAGE MAIN ROAD	1					
	VE/05/VN/NMR/TC-226/10/S	VENKATESHWARA NAGAR KALIPALYA MAIN ROAD	1					
	VE/05/VN/02/TC-147/01/S	VENKATESHWARA NAGAR KALIPALYA MAIN ROAD	1					
	VE/05/VN/00/02/TC-223/07/S	VENKATESHWARA NAGAR KALIPALYA MAIN ROAD	1					
	VE/05/SL/00/01/TC-789/05/S	SURYODAYA LAYOUT HEGDE NAGAR MAIN ROAD	1					
	VE/05/CL/02/00/TC-284/03/S	CENTRAL EXCHANGE LAYOUT HEGDE NAGAR MAIN ROAD	1					
	VE/05/MIP/06B/25/TC-195/06/S	SRK NAGAR {MCECHSLAYOUT} GKVKMAIN ROAD	1					
	VE/05/SMR/TC-149/24/S	KALIPALYA VILLAGE SAMPIGEHALLI MAIN ROAD	1					
		Total	**30**					
14	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm			Mtr	-	252.00	150.00	37800.00
15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm			Mtr	-	252.00	30.00	7560.00
	For MCCB,Contactor and Timer 45 Nos X 5.6 Mtr = 252 Mtr Item No 13 and 14							
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps			Each	-	15.00	7200.00	108000.00
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.			Each	-	14.00	4030.00	56420.00
	POLE NO.	**ADDRESS**	**QTY.**					
	VE/05/HMR/TC-100/89	HEGDENAGAR MAIN ROAD OPP HAJ BHAVAN	1					
	VE/05/TV/00/07/TC-390/01/LED	THIRUMENAHALLI VILLAGE 7TH CROSS HEGDE NAGART MAIN ROAD	1					
	VE/05/HMR/33/S	CHOKKANAHALLI VILLAGE CROSS HEGDE NAGAR MAIN ROAD	1					

	VE/05/DPE/TC-198/04/02/S	DEV-IN PARADISE ENCLAVE HEGDE NAGAR MAIN ROAD	1					
	VE/05/SMR/TC-190/33/S	KRISHNA NORTH APTS. SAMPIGEHALLI MAIN ROAD	1					
	VE/05/SMR/TC-275/106/S	SAMPIGEHALLI MAIN ROAD TO CHOKNAHALLI MAIN ROAD	1					
	VE/05/SMR/TC-83/46/S	KALLIPALYA SAMPIGEHALLI MAIN ROAD	1					
	VE/05/VN/01/05/05/TC-226/04/S	VENKTESHWARNAGAR 2ND CROSS KALLIPALYA	1					
	VE/05/EFR/84/S	80FT. ROAD JAKKUR GKVK MAIN ROAD	1					
	VE/05/JNR/01/IMAX	JAKKUR SAMPIGEHALLI MAIN ROAD	1					
	VE/05/BMR/96/S	VINAYAKANAGAR BAGLUR MAIN ROAD	1					
	VE/05/BMR/120/S	SHIVPURA BAGLUR MAIN ROAD	1					
	VE/05/BMR/212/S	SRINIVASA GARDEN SATHNUR BAGALUR MAIN RD NEAR DPS SCHOOL	1					
	VE/05/RCR/58/S	KATTIGENAHALLI REVA COLLEGE MAIN ROAD	1					
	VE/05/RCR/79/S	METAGANAHALLI CROSS REVA COLLEGE MAIN ROAD	1					
		Total	**15**					
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP			Each	-	19.00	723.00	13737.00
	TOTAL							**483034.64**
	Add GST 18 % = 12%+6% on item no 1-9					-12%	57964.16	425070.48
						18%	76512.69	**501583.17**
	Total Rs item no 10-13							**1243287.00**
	Add GST 18 % on item no 10-13							**223791.66**
	TOTAL Rs							**1968661.83**
	Fine imposed for non burning of street lights For the period of 1/01/2024 to 31/01/2024							5000.00
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material							10031.66
	GRAND TOTAL							**1953630.17**

CERTIFICATE

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division

ಕಾರ್ಯನಿರ್ವಾಹಕ ಎಂಜಿನಿಯರ್ (ವಿದ್ಯುತ್)
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು